

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

OKUNO et al.

Atty. Ref.: 1035-652

Serial No. To be assigned

TC/A.U.: unknown

Filed: August 25, 2006

Examiner: Unknown

For: SAMPLE TARGET HAVING SAMPLE SUPPORT SURFACE WHOSE  
FACE IS TREATED, PRODUCTION METHOD THEREOF, AND MASS  
SPECTROMETER USING THE SAMPLE TARGET

\* \* \* \* \*

August 25, 2006

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO/SB/08a.

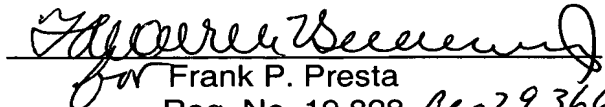
This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO/SB/08a and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

**NIXON & VANDERHYTE P.C.**

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INFORMATION DISCLOSURE  
CITATION

ATTY. DOCKET NO.

SERIAL NO.

1035-652

10/590822

To be assigned

APPLICANT

OKUNO et al.

(Use several sheets if necessary)

FILING DATE

TC/A.U.

August 25, 2006

unknown

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,288,390 B1	09/2001	SIUZDAK et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
03/054915 A1	07/2003	WO			
2001-318217	11/2001	JP			ABST
2004-184137	07/2004	JP			
6-508472	09/1994	JP			
8-189917	07/1996	JP			ABST

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	International Search Report of PCT/JP2005/003055, mailed 31 May 2005
	"Desorption-Ionization Mass Spectrometry on Porous Silicon", (Jing WEI et al., Nature, Vol.399, May 1999, pp.243-246)
	"Porous Silicon as a Versatile Platform for Laser Desorption/Ionization Mass Spectrometry", (Zhouxin SHEN et al., Analytical Chemistry, 73, 2001, pp.612-619)
	"New Desorption Strategies for the Mass Spectrometric Analysis of Macromolecules", (T. W. HUTCHENS et al., Rapid Communications in Mass Spectrometry, Vol. 7, 1993, pp.576-580)
	"A Self-Assembled Matrix Monolayer for UV-MALDI Mass Spectrometry", (Stephane Mouradian et al., J. Am. Chem. Soc., 118, 1996, pp.8639-8645)
	"Laser Desorption/Ionization Time-of Flight Mass Spectrometry on Sol—Gel-Derived 2,5-Dihydroxybenzoic Acid Film", (Ya-Shiuan LIN et al., Analytical Chemistry, Vol. 74, No. 22, November 2002, pp.5793-5798)
	"High Sensitivity and Analyte Capture with Desorption/Ionization Mass Spectrometry on Silylated Porous Silicon", (Sunia A. TRAUGER et al., Analytical Chemistry, Vol. 76, No. 15, August 12004, pp.4484-4489)
	"Use of a Non-porous Polyurethane Membrane as a Sample Support for Matrix-assisted Laser Desorption/Ionization Time-of-flight Mass Spectrometry of Peptides and Proteins", (Mark E. McComb et al., Rapid Communications in Mass Spectrometry, Vol. 11, 1997, pp.1716-1722)
	"Signal Enhancement in Matrix-assisted Laser Desorption/Ionization by Doping with Cu(II) Chloride", (Maxim DASHTIEV et al., (Letter to the Editor) Rapid Communications in Mass Spectrometry, Vol. 19, 2005, pp.289-291)
	"UV Laser Desorption/Ionization on Submicrometer Order Structures", (Shoji OKUNO et al., The 52 <sup>nd</sup> Annual Conference on Mass Spectrometry, June 2004, pp.118-119, 1-P-34)

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.